

2022 Fort Frances Wastewater

Month	Sewage Flows Year 2022					Usage	Calculated	Sludge	Removal Efficiency	
	Avg. Day	Max Day	Total	Total	Total	% Plant	Volume	Bins	CBOD5 0.959202195	
	Flow	Flow	Treated	ByPass	Volume	Capacity	Hauled	Hauled	Suspended Solids 0.971876775	
	m3	m3	Volume ML	Volume ML	ML		M3		Total Phosphorus 0.966786604	
January	5347.3	5710	165767		165767	59%	111.0	12		
February	5220.0	7432	146159		146159	58%	96.8	10		
March	5843.3	6920	181143		181143	65%	118.9	11		
April	12204.4	19452	366133	27675.2	393808.2	136%	102.4	10		
May	16832.1	19000	521795	16930.4	538725.4	187%	91.3	9		
June	11416.7	19000	342500	286	342786	127%	69.6	7		
July						0%				
August						0%				
September						0%				
October						0%				
November						0%				
December						0%				
Sum				44891.6	1768388.6		590	59		
Average	9477		287250		294731	93%	98.3	9.8		
Max		19452	521795		538725.4			12		
ECA	9000	18000								

Month	BOD5/CBOD5			Suspended Solids			Total Phosphorus			Nitrogen		E. Coli	pH	
	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Avg. Load	Avg. Raw	Avg. Eff.	Geo Mean	Monthly	Monthly
	BOD	CBOD	CBOD	S.S	S.S	S.S	T.P	T.P	T.P	TKN	Total N	Counts	Minimum	Maximum
	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	(kg/day)	(mg/L)	(mg/L)	/100ml		
January	111.3	4.5	24.1	185.2	3.5	18.7	2.92	0.14	0.75	19.5	13.1	49.7	7.0	7.5
February	139.0	4.0	20.8	212.5	3.3	17.8	3.18	0.13	0.66	20.8	16.0	13.2	7.1	7.4
March	106.5	3.0	17.0	192.5	2.8	16.9	26.50	0.18	1.06	16.4	15.5	34.8	7.1	7.3
April	59.3	2.8	31.0	105.9	3.7	44.4	1.55	0.33	3.81	10.4	9.9	742.1	7.3	7.5
May	30.6	2.8	49.7	62.8	5.7	95.6	1.04	0.23	3.90	6.0	7.0	107.0	7.3	7.5
June	27.1	2.2	28.4	68.5	4.3	51.2	0.94	0.19	2.18	7.8	7.7	70.7	7.3	7.6
July														
August														
September														
October														
November														
December														
Average	79.0	3.2	28.5	137.9	3.9	40.8	6.02	0.20	2.06	13.5	11.5	169.6	7.2	7.5
Max	139	4.53	49.7	212.5	5.7	95.6	26.50	0.33	3.90	20.8	16.0	742.1	7.3	7.6
ECA		25	225		25	225		1.0	9.0			200	6.0	9.5